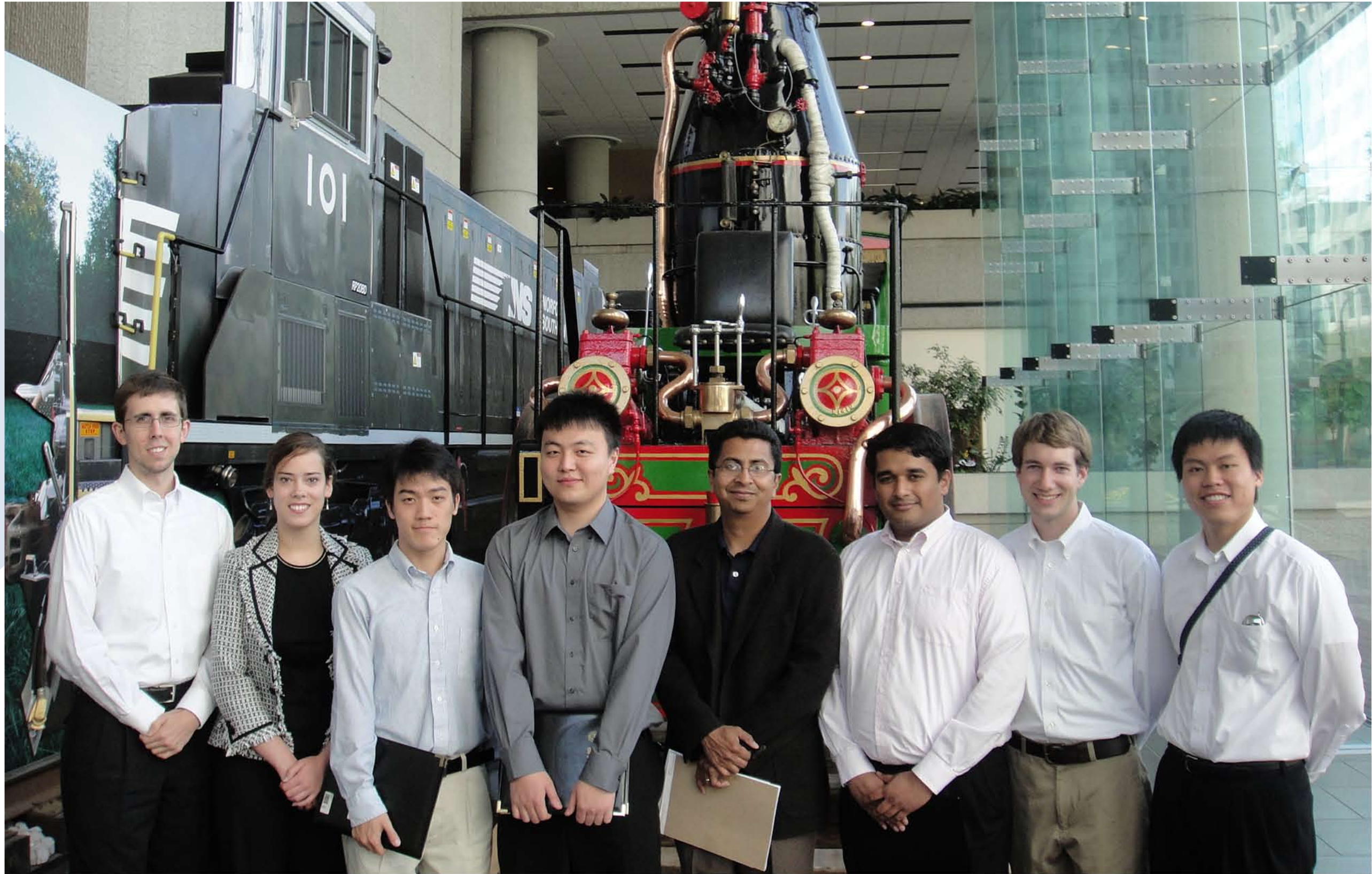


# **SENIOR DESIGN** **FINALIST** *SPR '10*



Standing left to right: Matthew Thornton, Susan Curry, Sheng-Bo Zhu, Yatong Lu, Shabbir Ahmed, Aldren Lobo, Tom Minderman, and David Chen

**STUDENT TEAM:**

**David Chen, Susan Curry, Aldren Lobo, Yatong Lu, Tom Minderman, Matthew Thornton, Sheng-Bo Zhu**

**FACULTY ADVISOR:**

**Shabbir Ahmed**

**PROJECT TITLE:**

**Optimization of Locomotive Fueling Policy for Norfolk Southern Corp.**

**PROJECT SUMMARY:**

**Our team worked with Norfolk Southern Railway to optimize their locomotive fueling policy. We implemented a simulation based optimization model which gave an immediate value added of \$8 million annually. A recommendation for future changes allows Norfolk Southern to increase their potential savings to \$29 million.**